**Review for “Review Unit” Test**

**Section 1**

1. Write the following in word form: 3,487,152
2. Write the following as a number:

three thousand two hundred fifty-six and twenty one cents.

1. Round to the nearest cent:
2. 145.3521
3. 23.987
4. 44.043
5. 7.44430
6. 999.47
7. Write the following in word form: 76,895.67
8. Complete the pattern: 7, 21, 63, 189 … \_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_\_

**Section 2**

1. Write as a fraction **(in lowest terms)**:
2. 0.49 b. 10.135 c. 0.089
3. Write as a decimal **(remember to round to 2 decimal places)**:
4. b. 3/25 c. 7/40
5. Write as a decimal:
6. 67.2% b. 0.0019% c. 603.15%
7. Write as a percent:
8. 0.0035 b. 1.91 c. 3.17
9. Complete the pattern: 30, 26, 22, 18, … \_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_

**Section 3**

1. What is 35% of 86?
2. What is 16% off of 132?
3. What is 10% of $410.62?
4. What is 30% off of $35.60?
5. What is the cost of a shirt that’s 75% off if it was originally $38.50?

**Section 4**

1. 35 is 80% of what number?
2. What percent of 120 is 42?
3. What number is 76% of 18?
4. A shirt was originally $45.31. It is now $21.33. What is the percent off?
5. A CD was originally $25.99. It is now $17.50. What is the percent off?

**Section 5**

1. w/7 = 14
2. 9x = 153
3. (5/2)m = 75
4. 8-x = 20
5. 12z = 60
6. a/7 = 5

**Section 6**

1. Complete 4 problems out of the 7 listed below:

a. 5(x-3) = 10

1. 4t – 6 = 14
2. -8 – 2w = 11
3. –m + 3(m + 1) = 11
4. 8n + 2 = 6n – 4
5. 18p + 3 = 2(16p – 8)
6. n+ = 2

**Section 7**

1. A park is rectangular. Its length is 3 times as long as its width. The perimeter of the park is 640 meters. How long are the sides?
2. Popcorn costs $2.50 and a soda costs $1.25 at a movie theater. A camp brings its students there and there are 87 things bought. They spend a total of $147.50. How many popcorns and sodas did they buy?
3. A football field is 100 yards long and has a distance around of 308 yards. How wide is it?
4. Jenn, John, Sue, Leah, and Scott each have a favorite type of movie. No two of them have the same favorite. Which person goes with which movie type?

1. Jenn’s favorite is not horror 2. John hates horror and sci-fi.

3. Someone really likes action. 4. Sue likes comedy.

5. Leah falls asleep during dramas. 6. Scott stays awake to watch movies when Leah falls asleep.

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